

For Research Use Only

LRDD Polyclonal antibody

Catalog Number: 12119-1-AP

2 Publications



Basic Information

Catalog Number:

12119-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2761

GenBank Accession Number:

BC014904

GeneID (NCBI):

55367

UNIPROT ID:

Q9HB75

Full Name:

leucine-rich repeats and death domain containing

Calculated MW:

893 aa, 98 kDa

Observed MW:

55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:250-1:1000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HEK-293 cells, HeLa cells, L02 cells

IP : L02 cells,

IHC : human lung tissue, human pancreas tissue, human liver tissue, human lung cancer tissue

IF/ICC : HEK-293 cells, HeLa cells

Background Information

P53-induced protein with a death domain (PIDD/LRDD) is a component of the PIDDosome. PIDD contains 910 residues with 7 leucine rich repeats (LRRs), 2 ZU-5 domains and a C-terminal death domain (DD). PIDD can be cleaved into shorter fragments generating a PIDD-N fragment of 48 kD (residues 1-446), a PIDD-C fragment of 51 kD (residues 447-910) and a PIDD-CC fragment of 37 kD (residues 589-910). Auto-cleavage of PIDD determines the downstream signaling events. The PIDD-C fragment mediates activation of NFkB via the recruitment of RIP1 and NEMO, while PIDD-CC causes caspase-2 activation, which leads to apoptosis.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-------------|-----------|------------------|-------------|
| Wei-Na Chai | 34100452 | Neural Regen Res | WB |
| Lei Yang | 38866102 | Exp Neurol | WB |

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

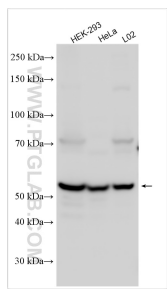
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

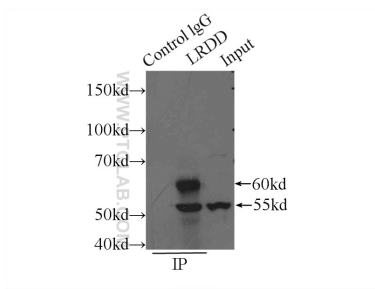
E: proteintech@ptglab.com
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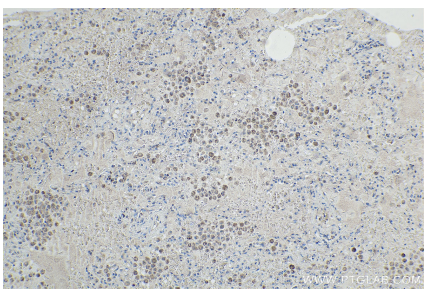
Selected Validation Data



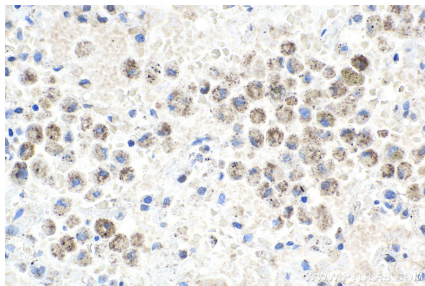
Various lysates were subjected to SDS PAGE followed by western blot with 12119-1-AP (LRDD antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



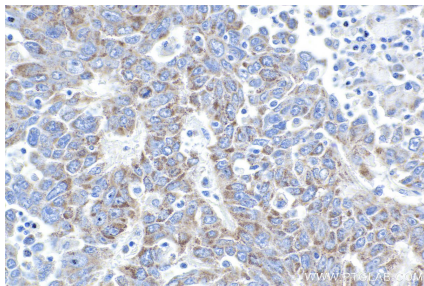
IP result of anti-LRDD (IP:12119-1-AP, 4ug; Detection:12119-1-AP 1:500) with L02 cells lysate 2800ug.



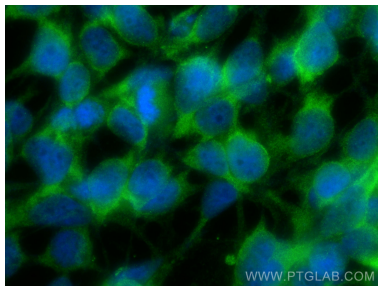
Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 12119-1-AP (LRDD antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 12119-1-AP (LRDD antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 12119-1-AP (LRDD antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using LRDD antibody (12119-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).